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1 An intelligent 3D user interface adapting to user control behaviors

Tsai-Yen Li, Shu-Wei Hsu

January 2004 IUI '04: Proceedings of the 9th international conference on I
Publisher: ACM

Full text available: Pdf (277.15 KB)

Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 119, Citation (

The WALK mode is one of the most common navigation interfaces for 3I
However, due to the limited view angle and low frame rate, users are often
when they navigate in a cluttered virtual scene with such a mode. ...

Keywords: adaptive assisting mechanism, artificial force field, intelligent
user interface control

2 Observing and adapting user behavior in navigational 3D interfaces

Augusto Celentano, Fabio Pittarello

May 2004 AVI '04: Proceedings of the working conference on Advanced v
Publisher: ACM

Full text available: Pdf (253.47 KB)

Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 120, Citation (

In a navigation-oriented interaction paradigm, such as desktop, mixed and
recognizing the user needs is a valuable improvement, provided that the system
anticipate the user actions. Methodologies for adapting ...

3 Workshop on behavior-based user interface customization

Lawrence Bergman, Tessa Lau

January 2004 IUI '04: Proceedings of the 9th international conference on I
Publisher: ACM

Full text available: Pdf (64.30 KB)

Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 35, Citation (

Keywords: adaptive user interfaces

4 Graphical specification of user interfaces with behavior abstraction

J. F. DeSoi, W. M. Lively, S. V. Sheppard

March 1989 CHI '89: Proceedings of the SIGCHI conference on Human fact
Wings for the mind

Publisher: ACM

Full text available:  Pdf (607.61 KB)

Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 16, Citation (

The Application Display Generator (ADG) is a graphical environment for implementation of embedded system user interfaces. It is a major component of the General Specification Subsystem (GSS) in Lockheed's Express knowledge-based system.

Also published in:

March 1989 SIGCHI Bulletin Volume 20 Issue SI

5 Communication Behaviors of Co-Located Users in Collaborative AR

K. Kiyokawa, M. Billinghamurst, S. E. Hayes, A. Gupta, Y. Sanohe, H. Kato

September 2002 ISMAR '02: Proceedings of the 1st International Symposium on Augmented Reality

Publisher: IEEE Computer Society

Full text available:  Pdf (544.92 KB)

Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 16, Citation (

We conducted two experiments comparing communication behaviors of collaborative augmented reality (AR) interfaces. In the first experiment, we compared communication behaviors using stereo- and mono-video, and immersive head mounted displays (HMDs).

6 Recovering software requirements from system-user interaction traces

 Mohammad El-Ramly, Eleni Stroulia, Paul Sorenson

July 2002 SEKE '02: Proceedings of the 14th international conference on software engineering and knowledge engineering

Publisher: ACM

Full text available:  Pdf (112.21 KB)

Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 60, Citation (

As software systems age, the requirements that motivated their original design may no longer be valid. Requirements documentation is unavailable or obsolete. Recapturing these requirements is critical for software reengineering activities. In our CeLEST process ...

7 A presentation model for multimedia summaries of behavior

 Martin Molina, Victor Flores

January 2008 IUI '08: Proceedings of the 13th international conference on intelligent user interfaces

Publisher: ACM

Full text available:  Pdf (300.92 KB)

Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 41, Citation (

Presentation models are used by intelligent user interfaces to automatically generate presentations according to particular communication goals. This paper describes a presentation model that was designed to automatically ...

Keywords: behavior summarization, multimedia user interface, presentation model

8 Pavlov: an interface builder for designing animated interfaces

David Wolber

 December 1997 Transactions on Computer-Human Interaction (TOCH)
Publisher: ACM

Full text available:  Pdf (1.09 MB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 54, Citation (

Conventional interface builders provide little support for interactive development of application-specific graphics. Some Programming by Demonstration (PB) systems provide some support, but none provide full support for demonstrating ...

Keywords: animation, programming by demonstration, user interface design

9 Implicit interaction profiling for recommending spatial content

 Joe Weakliam, Michela Bertolotto, David Wilson
November 2005 GIS '05: Proceedings of the 13th annual ACM international conference on geographic information systems

Publisher: ACM

Full text available:  Pdf (754.07 KB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 104, Citation (

When individuals request task-relevant spatial content in the form of an address, most systems typically return default maps displaying standard map content. Little effort has been made by systems to adapt to individual users' needs and present users with personalized maps displaying ...

Keywords: data mining, implicit profiling, personalization, user interaction

10 Evaluating adaptive user profiles for news classification

 Ricardo Carreira, Jaime M. Crato, Daniel Gonçalves, Joaquim A. Jorge
January 2004 IUI '04: Proceedings of the 9th international conference on intelligent user interfaces

Publisher: ACM

Full text available:  Pdf (132.20 KB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 110, Citation (

Never before have so many information sources been available. Most are freely available on the Internet, and some exist on the Internet alone. However, this large information quantity makes it difficult to find. Modern Personal Digital Assistants (PDAs), ...

Keywords: bayesian classifier, content-based filter, mobile and ubiquitous computing

11 AppleScript

 William R. Cook
June 2007 HOPL III: Proceedings of the third ACM SIGPLAN conference on history of programming languages

Publisher: ACM

Full text available:  Mov (55:56 MIN),  Pdf (621.56 KB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 51, Downloads (12 Months): 275, Citation (

AppleScript is a scripting language and environment for the Mac OS. Or AppleScript allows end users to *automate* complex tasks and *customize* automate tasks, AppleScript provides standard ...

Keywords: AppleScript, history, scripting

12 Human-centered design meets cognitive load theory: designing inter



Sharon Oviatt

October 2006 MULTIMEDIA '06: Proceedings of the 14th annual ACM international conference on Multimedia

Publisher: ACM

Full text available: Pdf (690.68 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 344, Citation

Historically, the development of computer systems has been primarily a phenomenon, with technologists believing that "users can adapt" to what they do. *Human-centered design* advocates that a more promising and enduring ...

Keywords: cognitive load, educational interfaces, human-centered design, multimodal interfaces, pen-based interfaces, performance metrics, robust interfaces, tangible interfaces, usability

13 Proceedings of the eighteenth conference on Hypertext and hypermedia



Simon Harper, Helen Ashman, Mark Bernstein, Alexandra Cristea, Hugh C. Hanson, Dave Millard

September 2007 HT '07: Proceedings of the eighteenth conference on Hypertext and hypermedia

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

It is our great pleasure to welcome you to the 18th International ACM Conference on Hypertext and Hypermedia 'Hypertext, The Web, and Beyond: Five Autonomous Programmes'. The conference takes place in the Manchester Museum in .

14 A field evaluation of an adaptable two-interface design for feature-rich software



Joanna McGrenere, Ronald M. Baecker, Kellogg S. Booth

May 2007 Transactions on Computer-Human Interaction (TOCHI) ,

Publisher: ACM

Full text available: Pdf (933.75 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 62, Downloads (12 Months): 399, Citation

Two approaches for supporting personalization in complex software are menus and user-controlled adaptable menus. We evaluate a novel interface for productivity software based on adaptable menus. The design ...

Keywords: Human-computer interaction, adaptable interfaces, adaptive customization, featurism, field experiment, individual differences, perso

Visualization of users' activities in a specific environment

Zdenek Mikovec, Ivo Maly, Pavel Slavik, Jan Curin

December 2007 WSC '07: Proceedings of the 39th conference on Winter simulation is yet to come

Publisher: IEEE Press

Full text available:  Pdf (487.60 KB) Additional Information: full citation, abstract, review

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 71, Citation

Evaluation of user interface design is usually based on usability testing i
analyzed and described the user behavior in the form of the user model
data set which was acquired through observation of ...

16 User interfaces for privacy agents Lorrie Faith Cranor, Praveen Guduru, Manjula Arjula

June 2006 Transactions on Computer-Human Interaction (TOCHI) , Volume 9 Issue 1

Publisher: ACM

Full text available:  Pdf (1.82 MB) Additional Information: full citation, abstract, review

Bibliometrics: Downloads (6 Weeks): 51, Downloads (12 Months): 421, Citation

Most people do not often read privacy policies because they tend to be long and difficult to understand. The Platform for Privacy Preferences (P3P) addresses this problem by providing a standard machine-readable format for website privacy policies. P3P ...

Keywords: P3P, preferences, privacy , privacy enhancing technology, privacy policy

17 Extracting usability information from user interface events David M. Hilbert, David F. Redmiles

December 2000 Computing Surveys (CSUR) , Volume 32 Issue 4

Publisher: ACM

Full text available:  Pdf (1.50 MB) Additional Information: full citation, abstract, review

Bibliometrics: Downloads (6 Weeks): 82, Downloads (12 Months): 801, Citation

Modern window-based user interface systems generate user interface events during their normal operation. Because such events can be automatically captured, they can indicate user behavior with respect to an application's user interface, ...

Keywords: human-computer interaction, sequential data analysis, usage monitoring, event monitoring

18 The importance of translucence in mobile computing systems Maria R. Ebling, Bonnie E. John, M. Satyanarayanan

March 2002 Transactions on Computer-Human Interaction (TOCHI) , Volume 5 Issue 1

Publisher: ACM

Full text available:  Pdf (330.59 KB) Additional Information: full citation, abstract, review

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 133, Citation

Mobile computing has been an active area of research for the past decade. It is expected to increase substantially in the decade to come. One problem faced by designers is how to make mobile user interfaces usable in the presence of limited screen size, limited processing power, and limited battery life.

that of maintaining the illusion of connectivity even ...

Keywords: Coda, disconnected operation, mobile computing, translucence, weakly connected operation

19 USim: A User Behavior Simulation Framework for Training and Test Systems

A. Garg, S. Vidyaraman, S. Upadhyaya, K. Kwiat

April 2006 ANSS '06: Proceedings of the 39th annual Symposium on Simu

Publisher: IEEE Computer Society

Full text available:  Pdf (322.86 KB) Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 40, Citation (

Anomaly detection systems largely depend on user profile data to be able to detect normal activity. Most of this profile data is currently based on command and control executed by users on a system. With the advent and ...

20 Method to analyze user behavior in home environment

Seung Ha, Hong Jung, Yong Oh

January 2006 Personal and Ubiquitous Computing , Volume 10 Issue 2-3

Publisher: Springer-Verlag

Full text available:  Pdf (949.07 KB) Additional Information: full citation, abstract, re

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 125, Citation (

The development of computing technology affects the environmental changes in many ways. In other words, we believe that Ubiquitous computing has a very vision of our homes. The most distinct phenomenon ...

Keywords: Home context, Ubiquitous computing, User behavior, User interface, User research

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